

Federal Grants and Contracts Related to Mars - Bethany L. Ehlmann**Location of Projects:** California Institute of Technology

Name of Principal Investigator on Award	Award/Project Title	Program Name/Sponsoring Agency/Point of Contact	Period of Performance/ Total Budget
Bethany Ehlmann	Recognizing Aqueous Alteration While Roving and Disentangling Diagenesis	JPL MSL Project Office	4/1/16-9/30/21 \$838,355
Bethany Ehlmann	The Plumbing of Martian Lakes	MDAP – NASA	8/14/17-8/13/21 \$410,305
Elizabeth Rampe	Understanding Diagenetic Processes on the Martian Surface through Laboratory Studies of Partially Chloritized Smectite	SSW – NASA	10/1/18-9/30/21 \$115,727
Eva Scheller, NESSF fellow (Bethany Ehlmann, PI)	Composition, Geological History, and Impact Deformation of Noachian Basement in the Surroundings of the Isidis Impact Basin	NESSF– NASA	9/1/18-8/31/21 \$135,000
Wendy Calvin	Mineralogy of Hawaiian Shield Volcano Drill Core: Implications for Surface and Subsurface Aqueous History on Mars	SSW – NASA	10/12/18 - 10/11/21 \$306,386
Kris Zacny	SLUSH: Thermo-Mechanical Drilling System for Ocean Worlds and Mars	NASA-PICASSO	6/1/18 – 5/31/21 \$72,480
Science PI Jay Dickson (PI Bethany Ehlmann)	A Global CTX Mosaic of Mars	PDART – NASA	3/1/19-2/28/22 \$438,122
Tom McCollom	Investigation of Jarosite and Alunite in Jurassic Sandstones as Analogs for Layered Sulfate-bearing Deposits on Mars	SSW – NASA	5/1/19-2/21/22 \$49,723

Science PI Elena Amador (PI Bethany Ehlmann)	A Quantitative Approach to Understanding the Distribution and Diversity of Key Water-Formed Minerals on Mars	MDAP - NASA	8/21/19-8/20/22 \$187,978
Thomas Reid	MRO CRISM Investigation Support	JPL MRO Project Office	10/1/19-9/25/21 \$26,800
Science PI Jay Dickson (PI Bethany Ehlmann)	Global Mapping at High- Resolution of Glacial Units on Mars' Calculating Constraints on the Long- Term Evolution of the Martian Climate	MDAP-NASA	8/1/20 – 7/31/23 \$476,870
Bethany Ehlmann	Tracing Serpentinization Across the Solar System	SSW-NASA	9/1/20 – 8/31/23 \$596,148
Bethany Ehlmann	Mastcam Z - Phase E	JPL M2020 Project Office	8/31/20 – 1/26/23 \$1,024,232
Bethany Ehlmann	Science Co-I Support for SHERLOC – Phase E	JPL M2020 Project Office	9/28/20 – 9/30/21 \$96,723